



MISSOURI BOTANICAL GARDEN
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GEORGE ENGELMANN
BOTANICAL NOTEBOOKS

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L. purpurella from N.Y. to Wis.
Mo. Fla. Cuba. & Panama.

L. trinervis, N.Y. to Wis.

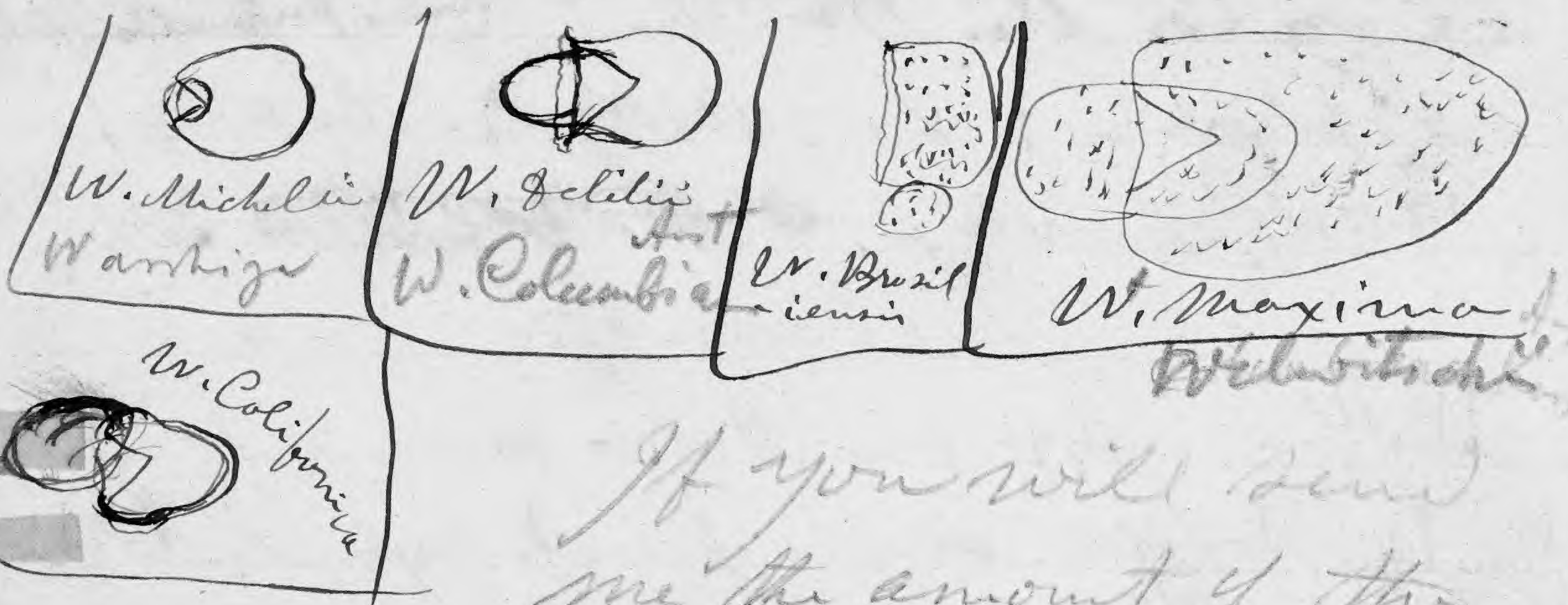
L. minor, var occurs in La. & ~~Florida~~ ^{Texas} etc.

L. gibba var. ^{No!} ^{is var of minor} N.Y. to Mo. &
La. The true species occurs in the
South west!

L. trisulca has been found fertile never
checked N.Y.!

L. gibba & *L. polyrrhiza* and
both the Wolffias are ^{always} sterile with
us so far.

CA.



If you will send
me the amount of the
postage on the things
for Engelmann I will
send it. CA



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MISSOURI
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1881

Dr. Engelman's *Lemna*, Dec. Jan. 7/67

~~Cover Elliott & Palmer~~ No. 445. *L. gibba*
old quarries St. Louis *L. gibba*, var. *minor*
" " " " *polyrrhiza* var.

A Fender N. Mex. 1847. *L. minor* in flower.
(ovule half-anatropous!) also *L. trisulca*

"*Lemna trisulca* St. Louis" partly correct but
mixed with *L. polyrrhiza* & *L. Torreyi*.

"*Lemna*, Arkansas bottom, 1834" is
L. polyrrhiza & *L. Torreyi*.

~~Cover Elliott & Palmer~~ No. 447. *L. Torreyi*.

"Detroit No. 1." *L. trisulca*.

" " " 2 " " *polyrrhiza*.

"*L. umbonata*" *L. polyrrhiza*.

"*Lemna* St. Louis 1841" *L. polyrrhiza*;
L. papuilla! (fertile)!!

"Can. Co. Mo. Broadhead" *L. papuilla* (fertile)
L. polyrrhiza; *L. gibba* var.; *L. trisulca*;
Wolffia arhiza, ~~at St. Louis~~.

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Wolffia arhiza from Mo. is new.

W. delili occurs from N. England to
Wis. ~~Pa.~~ & La.

L. Torreyi from N. J. to S. Cal. Fla.
Cal. S. Mo.



Copy

St Louis Jan. 1st 1867

Estate of Peter Blow dec^d

to Dr George Engelmann

to medical attendance in his last illness

from June 8th to July 21st

64 Visits in town and 10 Visits

in Carondelet, including \$350.

Surgical attendance



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Samoa purpurella Torr & multicostata Regel
Stanton island; Wayne Co Pa; West
Western Missouri; Boone Mo; near
Stobernys on Brown Pa; West.

P. paucicostata Hayden. Ponds on the hills
at Miami, Tenn. Coln. Wright
with a mistake? 3215

d. minor New Jersey; West; West; West,
Illinois; West; Pa. New York
West by West. purpurella subcostata
at 9000 ft. above sea.

West near West with d. polytrichis & West.
Col. West Orange N.Y. (small
purpurella trivernis by West) also is
near

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7882



Ovules of Lemnaceae

Nov 1880

Herbarium & my own
observ.

Atrop: *Wolffiae omnes*
L. paucicostata ...
L. pupurella
L. veldiana



Exost. wide open
Endostom
exsert

hemianatrop. *L. minor*
L. bivalens
L. polyrhiza



Exost. open
Endost. visible

Exost. closed

anatrop. *L. gibba*



Spiral vessel only (1) - fundulus
of *L. gibba*
L. polyrhiza

over



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No 2800 OLIVE STREET,

ST. LOUIS, MO.

J. C. KIRTLAND & CO. BOOKSELLERS

S.W. CORNER OF PRATTE AV.

Sporoda
ovuliferis *antropo* *Schleiden*
in Linnæo

Sporoda *antropo* *specimens!*
flamentum *antennas* *pro* *as*
evolutum

pl. *plumula*
em *embryo*
e



cadoplaena
testa
endosperm *or* *alba*

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Indian Lemnaceae

Journ. Lin. Soc.

vol 9, p. 264. (June 1866)
etab.

Schleiden *Linnaea* 13, p. 385
(1839)

277



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Nov 11 1870

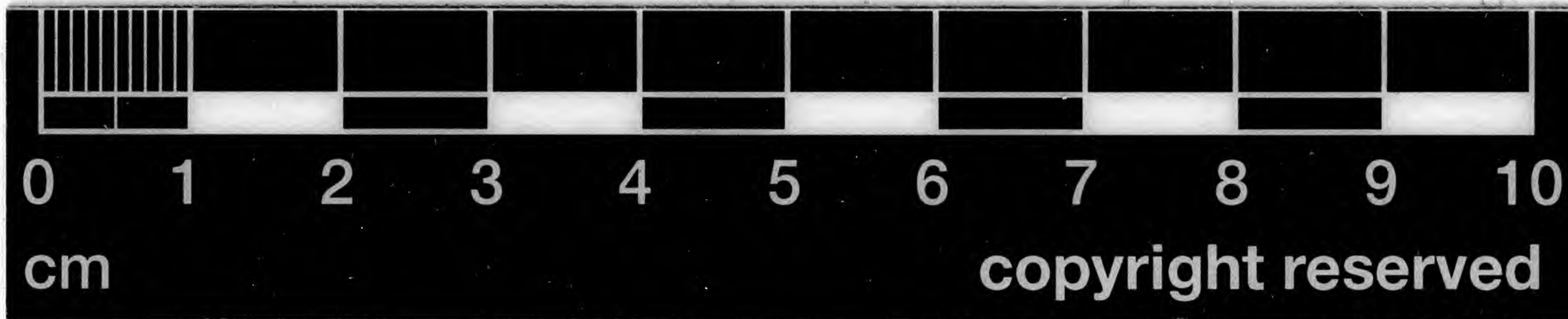
Linna polytricha (and other 1 seeded *Linnaea*)
Microspyle (exostome & endostome) directed forward
as well as
first developed stamen!

fruit utricle bulged out mostly backward
and backward the dark spot on end of seed is
seen through utricle. their dark spot is ~~the Chalaza?~~
the Chalaza

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for your overview of our works in Germany & notes
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Dear George,
Enclosed is Mr. von Frobenius
George Engelmann M.D. Berlin Prussia

La Salle, Ill. Oct 27th 1870

F. W. Matthiessen & Hegeler,
Smelters of Spelter,
AND
MANUFACTURERS OF SHEET ZINC,

The manufacture of Zinc Ware, as Pans, Coal-
Hods, Dishpans, Oilcans, and Blanks for the same
and other Zinc Ware, also of Zinc-Bayestroughs,
and Conducting Pipe has been transferred to the
ZINC ROOFING AND ORNAMENTS COMPANY,
118 South Franklin Street, Chicago.
All orders for such goods DIRECTED TO THIS CO.
will be filled with promptness.
The manufacture of Blanks for Washboards and
Reaper Linings will be continued here.
Zinc of usual dimensions constantly on hand.
Uncommon sizes and complicated patterns cut to or-
der at moderate charges.



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Leonna

- minor L.
- perpusilla Torr
- Angolensis Welw
- Torreyi Aust
- trisulca L
- melanorrhiza Mull & Kunz
- oligorrhiza Kunz
- polyrrhiza L
- gibba L
- ? punctata Meyer Essig. 262 Kuntz 3.5

Wolffii

- arhiza Wilm Michxlii Schleg.
- Bonsiliensis Weddell
- Columbiana Karst

- hyalina Hegelm. Delilei Schleg.
- repanda Hegelm.
- Welwitschii Hegelm.



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Advised Aug 20 1867

Mr E B Booth

to Dr Engelmann

1865 August - Octob. to Mrs. attendance on Mrs Booth's B. -

1866 March & April

May & June

May

Sept.

August

July & Decemb

73. -

14. -

10. - 115

2. -

12. -

Mrs Booth

Baby

7886

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